



## Technical data sheet

# PBO “BC-SC” Textiles

### PBO “BC-SC” TEXTILES

The Japanese Company “TOYOBO Co. Ltd.” produces a very exceptional PBO fibre; his brand name is “ZYLON”, in two different versions, Continuous Filament (our BC type) and Virgin Spun Carded Yarn (our SC type).

This fibre is very strong (tensile strength 100% more than Para-Aramide fibre and resists at very high temperatures (until 450/500 °C) and his abrasion and cut resistance is excellent; unfortunately it is very expensive.

Whit the Zylon BC and SC yarn we produce the full range of textiles for the Glass Industry, that is Ropes (Twisted, Braided, Knitted) , Sleeves (Braided, Knitted), Tapes (Woven, Knitted).

The density of Zylon BC textiles is higher than the density of Zylon SC textiles; the BC textiles are harder than SC textiles. The mechanical performances of BC are better than SC , but the thermal resistance is the same.

For further information you can see our Para-Aramide Technical Data Sheets and you can see the original TOYOBO Data Sheets for the ZYLON.

### TECHNICAL DATA (for more information see TOYOBO original data sheets)

Raw material	: 100% PBO fibre
Thermal resistance	: 450/500 °C in continuous
Textile's density	: from 0,7 to 1,1 gr/c.cm., it depends on the article and the size
Colour	: BC type: shiny brown - SC type: brown